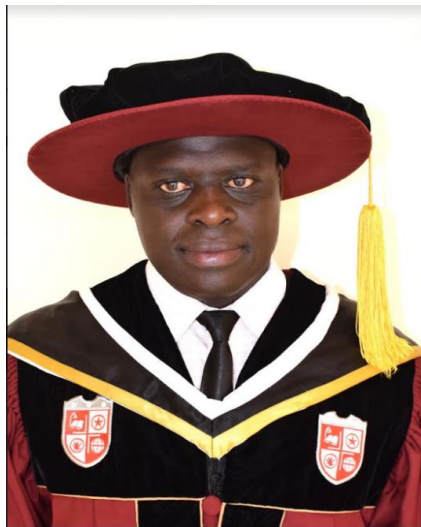


Personal Staff Profile



Name of Staff: Dr. Barnabas Kurgat, PhD

Designation/Rank: Lecturer

Department: Earth Sciences

School: School of Science and Applied Technology

E-mail: bkurgat@laikipia.ac.ke

A Educational Background/Qualification

1. PhD in Agricultural Science (Climate change-mitigation option) Humboldt Universität zu Berlin, Germany (2018)
2. Master of Science in Agricultural Science in Tropics and Subtropics (specialization in natural resource management), University of Hohenheim, Stuttgart, Germany (2011)
3. Bachelor of Science Degree in Natural Resource Management, Egerton University, Kenya (2007)

B Field of Specialization

Natural Resource Management, Environmental Science and Agro-ecology. Experience with research in Greenhouse gas emissions in smallholder production systems, carbon foot print analysis (life cycle analysis) climate smart agricultural technologies as well as analysis of horticultural value chains.

C Work Experience

1. 1st September 2019 - **Chairman:** Department of Earth Sciences, Laikipia University, Kenya
 2. 9th May 2019 to date - **Lecturer:** Department of Earth Sciences, Laikipia University, Kenya
-

3. 1st July 2018-30th September 2019 - **Ag. Chairman:** Institute of Arid Lands Management, Laikipia University
 4. January 2015-30th June 2018-**Research Associate:** Humboldt Universität zu Berlin, Germany.
 5. September 2013 to 31st December 2014 - **Examination and timetabling Officer:** Institute of Arid Lands Management, Laikipia University
 6. 9th May 2013- 9th May 2019 - **Assistant Lecturer:** Institute of Arid Lands Management, Laikipia University
-

D Research Projects

1. Principal Investigator (PI) on a join Laikipia University and The Alliance Bioversity-CIAT project on Accelerating Impacts of CGIAR Climate Research for Africa- USD 30,000.00
2. Partnership for Scaling Climate-Smart Agriculture Project of the CGIAR Research Program on Climate Change, Agriculture, and Food Security (CCAFS) for supporting this research.
3. **HORTINLEA:** Horticultural Innovations and Learning for Improved Nutrition and Livelihood in East Africa; within the framework of the program “Global Food Security (GlobE)” of the Federal Ministry of Education and Research of Germany.
4. GrassNet: Cross-continental network for sustainable adaptation of grassland systems vulnerable to climate change (GrassNet) Project funded by DAAD (Deutscher Akademischer Austausch Dienst), Germany

E Some Selected Publications

1. Winifred Chepkoech, Silke Stöber, **Barnabas K. Kurgat**, Hillary K. Bett, Nancy W. Mungai, Hermann Lotze-Campen (2023). What drives diversity in climate change adaptation strategies for African indigenous vegetable production in Kenya?, Economic Analysis and Policy, Volume 77, Pages 716-728, ISSN 0313-5926, <https://doi.org/10.1016/j.eap.2022.12.016>.

2. **Barnabas Kurgat**, Lamanna, C., Kimaro, A., Namoi, N., Manda, L., & Rosenstock, T. S. (2020). Adoption of climate-smart agriculture technologies in Tanzania. *Frontiers in Sustainable Food Systems*, 4, 55.
3. Evans Ngenoh, **Barnabas K. Kurgat**, Hillary K. Bett, Sindu W. Kebede and Wolfgang Bokelmann (2019). Determinants of the competitiveness of smallholder African indigenous vegetable farmers in high-value Agro-food chains in Kenya: A multivariate probit regression analysis. *Agricultural and Food Economics* 7:2 <https://doi.org/10.1186/s40100-019-0122-z>
4. **Barnabas K. Kurgat**, Evans Ngenoh, Hillary K. Bett, Silke Stöber, Samuel Mwonga, Hermann Lotze-Campen & Todd S. Rosenstock (2018): Drivers of sustainable intensification in Kenyan rural and peri-urban vegetable production, *International Journal of Agricultural Sustainability*, DOI: 10.1080/14735903.2018.1499842
5. **Barnabas K. Kurgat**, Evans Ngenoh, Hillary K. Bett, Silke Stöber, Samuel Mwonga, Hermann Lotze-Campen, Todd S. Rosenstock. (2018). Impacts of Sustainable Intensification of Vegetable Production on Farmers' Livelihoods in Kenya. *Journal of Economics and Sustainable Development*, Vol.9, No.10.
6. **Barnabas K. Kurgat.**, Stöber, S., Mwonga, S., Lotze-Campen, H., Rosenstock, S. (2018). Livelihood and climate trade-offs in Kenyan peri-urban vegetable production. *Agricultural Systems*, 160, 79-86.
7. Stöber, S., Chepkoech, W., Neubert, S., **Barnabas K. Kurgat.**, Bett, H., & Lotze-Campen, H. (2017). Adaptation Pathways for African Indigenous Vegetables' Value Chains. 413-433. doi:10.1007/978-3-319-49520-0_25
8. **Barnabas K. Kurgat**, Golicha, D., Giese, M., Kuria, S.G., Asch, F. (2014). Relationship Between Above Ground Vegetation Cover Types and Soil Organic Carbon Stocks in the Rangelands of Northern Kenya. *Journal of Livestock Research and Rural Development*, 26 (9), 63-70.
9. Cheruiyot, M. K., **Barnabas K. Kurgat**, Muturi, W., Kosgey, I. S. (2014). Environmental Effects of Urban Cattle Keeping in Nakuru Municipality, Kenya. *Journal of Natural Sciences Research*, 4 (18), 113-119.
10. Omboga, S., **Barnabas K. Kurgat**, Cheshari, C.E., Rotich, M. K., Mavura, J.M. (2014). Determination of Dissolved Constituents and Ionic Strength of Saline Water: A Case

Study of Lakes; Nakuru, Bogoria-Kenya and Nata Salt pant Sanctuary –Botswana.
Journal of Natural Sciences Research. 4 (18), 107-112

11. **Barnabas K. Kurgat**, Golicha, D., Giese, M., Kuria, S.G., Asch, F. (2014). Relationship Between Above Ground Vegetation Cover Types and Soil Organic Carbon Stocks in the Rangelands of Northern Kenya. *Journal of Livestock Research and Rural Development*, 26 (9), 63-70.
12. Cheruiyot, M. K., **Barnabas K. Kurgat**., Muturi, W., Kosgey, I. S. (2014). Assessment of Urban Cattle Keeping Patterns and Waste Disposal Mechanisms in Nakuru Municipality, Kenya. *Journal of Natural Sciences Research*, 4 (16), 138-144.